

**COAXIAL ADAPTER, N - SMB, 50 Ohm, plug / jack (male / female)**

33\_N-SMB-50-1/1--\_U

**Properties**

- Wide range of different configurations
- Most common interfaces available
- Accurate transitions
- Effective and reliable interconnection solutions
- Appropriate materials



| Product configuration |               |                                          |
|-----------------------|---------------|------------------------------------------|
| Interface type        | Gender        | Standard                                 |
| N                     | plug (male)   | IEC 61169-16_MIL-STD-348A/304_CECC 22210 |
| SMB                   | jack (female) | IEC 60169-10_MIL-STD-348A/311_CECC 22130 |

| Interface and material data |                       |                                            |
|-----------------------------|-----------------------|--------------------------------------------|
| N                           |                       |                                            |
| Piece parts                 | Material              | Plating                                    |
| Centre contact              | Brass                 | Gold Plating (without Nickel underplating) |
| Outer conductor             | Brass                 | SUCOPLATE (R) Plating                      |
| Body                        | Brass                 | SUCOPLATE (R) Plating                      |
| Insulator                   | PFA / PTFE            |                                            |
| Coupling nut                | Brass                 | SUCOPLATE (R) Plating                      |
| Gasket                      | VMQ (Silicone rubber) |                                            |
| SMB                         |                       |                                            |
| Piece parts                 | Material              | Plating                                    |
| Centre contact              | Brass                 | Gold Plating (without Nickel underplating) |
| Outer conductor             | Brass                 | Gold Plating (without Nickel underplating) |
| Body                        | Brass                 | SUCOPLATE (R) Plating                      |
| Insulator                   | PFA / PTFE            |                                            |

| Electrical data     |                                                 |
|---------------------|-------------------------------------------------|
| Impedance           | 50 Ω                                            |
| Interface frequency | 4 GHz                                           |
| VSWR                | DC - 3 GHz ( $\leq 1.03 + 0.08 f \text{ GHz}$ ) |

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| Electrical Data (frequency related) |                      |                |
|-------------------------------------|----------------------|----------------|
| Frequency range                     | Return loss          | VSWR           |
| 3 GHz ... 4 GHz                     | 18 dB                | 1.27           |
|                                     |                      |                |
| Mechanical data                     |                      |                |
| Weight                              | 0.0287 kg            |                |
| Mating cycles                       | 500                  |                |
|                                     |                      |                |
| Environmental data                  |                      |                |
| Operation temperature               | -65 °C ... 165 °C    |                |
|                                     |                      |                |
| Ordering Information Table          |                      |                |
| Item number                         | Item description     | Packaging type |
| 22542422                            | 33_N-SMB-50-1/1--_UE | Single         |

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